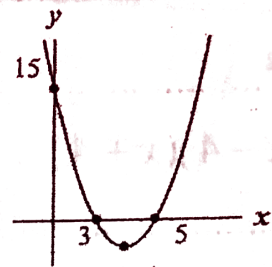
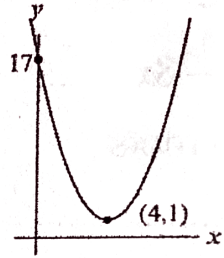
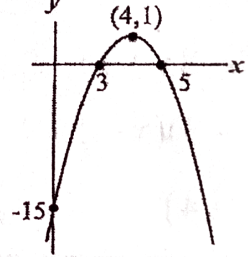
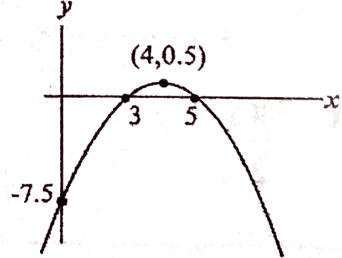
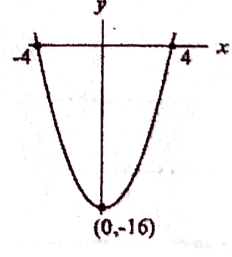


Match each graph with a set of equations. Fill in the missing parts of the equations (there should be one in standard form, one in vertex form and one in factored/intercept form.)

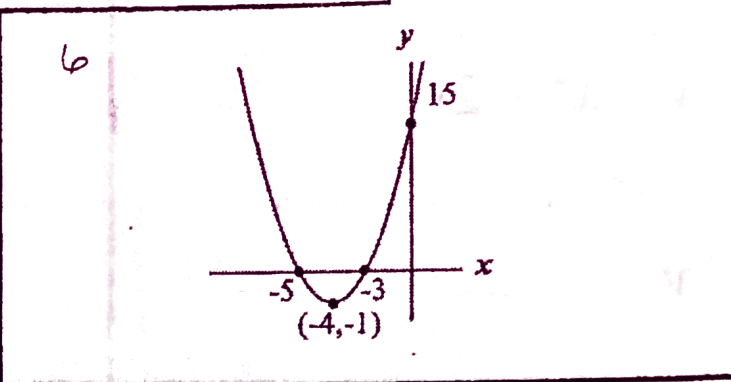
<p>A</p> $y = x^2 + 2x - 35$ $y = \dots\dots\dots$ $y = \dots\dots\dots$	<p>1</p> 
<p>B</p> $y = x^2 + 8x \dots\dots\dots$ $y = \dots\dots\dots$ $y = (x + 4)^2 - 1$	<p>2</p> 
<p>C</p> $y = x^2 - 8x \dots\dots\dots$ $y = (x - 4)(x - 4)$ $y = \dots\dots\dots$	<p>3</p> 
<p>D</p> $y = -x^2 + 8x \dots\dots\dots$ $y = \dots\dots\dots$ $y = -(x - 4)^2 + 1$	<p>4</p> 
<p>E</p> $y = -x^2 - 6x + 16$ $y = -(x + 8)(x - 2)$ $y = -(x + 3)^2 + 25$	<p>5</p> 

F

$$y = x^2 \dots\dots\dots$$

$$y = (x - 4)(x + 4)$$

$$y = \dots\dots\dots$$

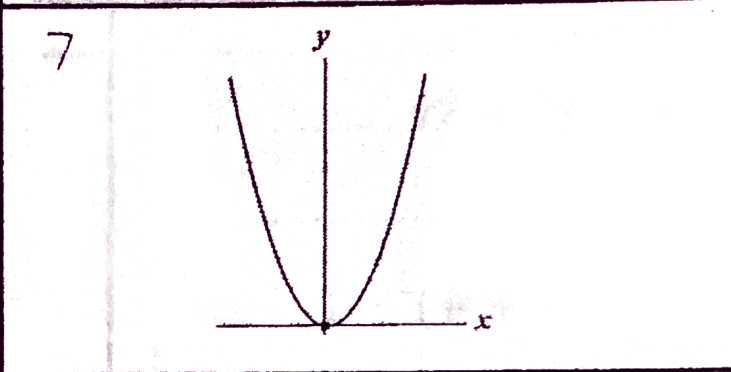


G

$$y = x^2 - 8x \dots\dots\dots$$

No roots

$$y = \dots\dots\dots$$

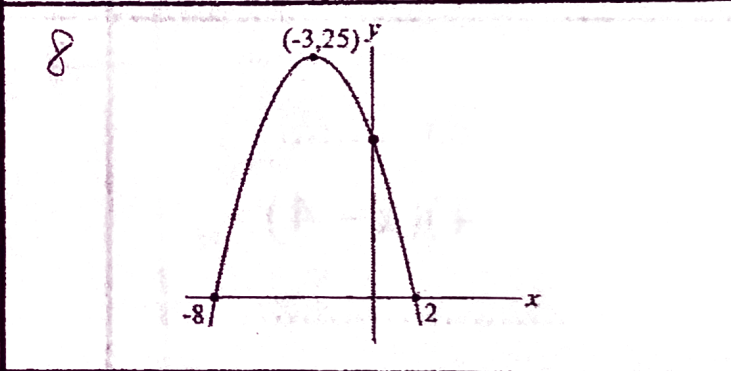


H

$$y = x^2 - 8x + 15$$

$$y = (x - 3)(x - 5)$$

$$y = (x - 4)^2 - 1$$

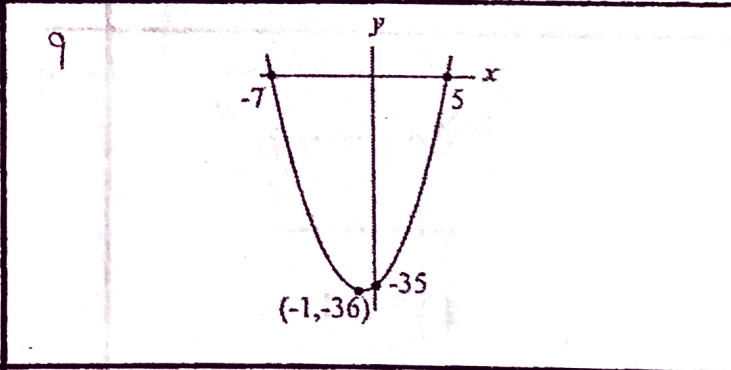


I

$$y = -\frac{1}{2}x^2 + 4x \dots\dots\dots$$

$$y = -\frac{(x - 3)(x - 5)}{2}$$

$$y = \dots\dots\dots$$

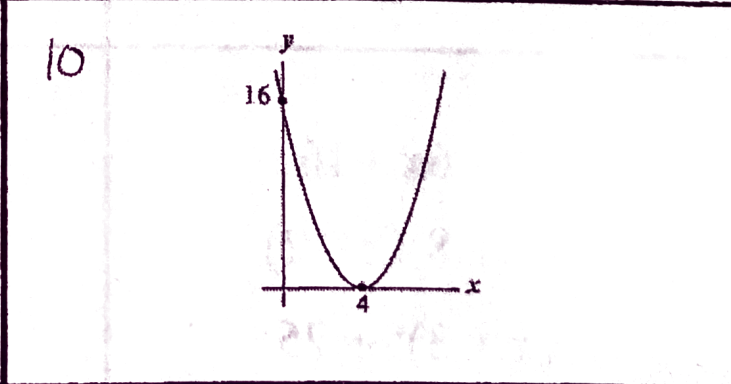


J

$$y = x^2$$

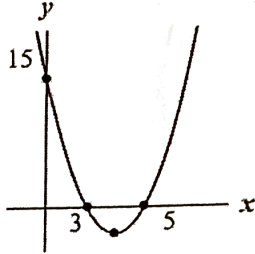
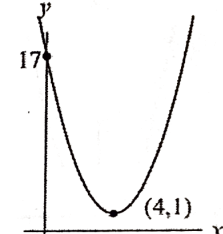
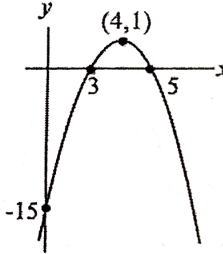
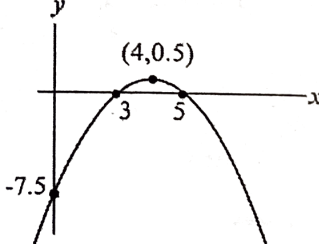
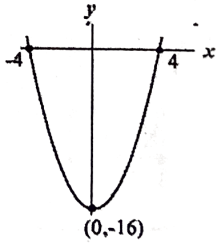
$$y = \dots\dots\dots$$

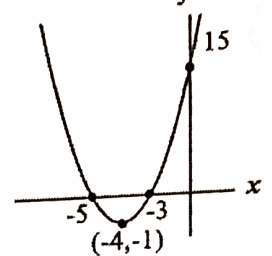
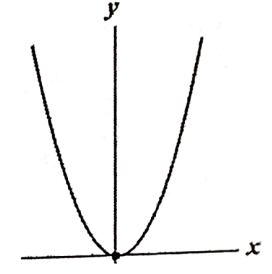
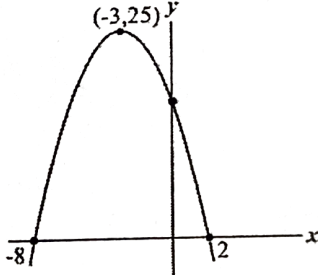
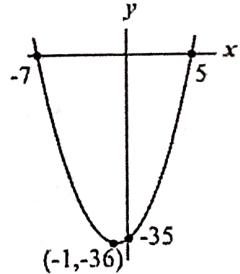
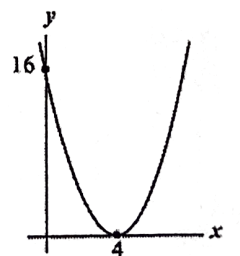
$$y = \dots\dots\dots$$



Match each graph with a set of equations. Fill in the missing parts of the equations (there should be one in standard form, one in vertex form and one in factored/intercept form.)

Key

<p>A Matches with graph #9</p> $y = x^2 + 2x - 35$ $y = \dots (x+7)(x-5) \dots$ $y = \dots (x+1)^2 - 36 \dots$	<p>1 (H)</p>  <p>✓</p>
<p>B Matches with graph #6</p> $y = x^2 + 8x + 15 \dots$ $y = \dots (x+5)(x+3) \dots$ $y = (x+4)^2 - 1$	<p>2 (G)</p>  <p>✓</p>
<p>C Matches with graph #10</p> $y = x^2 - 8x + 16 \dots$ $y = (x-4)(x-4)$ $y = \dots (x-4)^2 + 0 \dots$	<p>3 (D)</p>  <p>✓</p>
<p>D Matches with graph #3</p> $y = -x^2 + 8x - 15 \dots$ $y = \dots -(x-3)(x-5) \dots$ $y = -(x-4)^2 + 1$	<p>4 (I)</p>  <p>✓</p>
<p>E Matches with graph #8</p> $y = -x^2 - 6x + 16$ $y = -(x+8)(x-2)$ $y = -(x+3)^2 + 25$	<p>5 (F)</p>  <p>✓</p>

<p>F Matches with graph # 5</p> $y = x^2 - 16$ $y = (x-4)(x+4)$ $y = \dots (x-0)^2 - 16$	<p>6 (B)</p>  <p>✓</p>
<p>G Matches with graph # 2</p> $y = x^2 - 8x + 17$ <p>No roots</p> $y = \dots (x-4)^2 + 1$	<p>7 (J)</p>  <p>✓</p>
<p>H Matches with graph # 1</p> $y = x^2 - 8x + 15$ $y = (x-3)(x-5)$ $y = (x-4)^2 - 1$	<p>8 (E)</p>  <p>✓</p>
<p>I Matches with graph # 4</p> $y = -\frac{1}{2}x^2 + 4x - 7.5$ $y = -\frac{(x-3)(x-5)}{2}$ $y = \dots -\frac{1}{2}(x-4)^2 + \frac{1}{2}$	<p>9 (A)</p>  <p>✓</p>
<p>J Matches with graph # 7</p> $y = x^2$ $y = \dots (x^2 - 0)(x - 0)$ $y = \dots (x^2 - 0)^2 + 0$	<p>10 (C)</p>  <p>✓</p>