

Factor completely.

1. $a^2 - 7a + 10$

2. $y^2 - 169$

3. $9xy - 30x$

4. $4x^2 - 24x + 35$

Find the zeros of the following.

5. $y = (x + 1)(x - 10)$

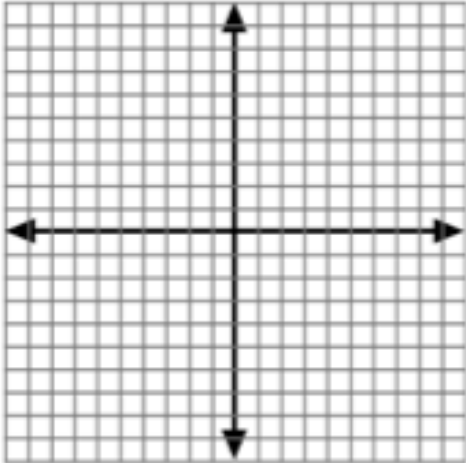
6. $g(x) = (2x - 1)(x - 7)$

7. $h(x) = x^2 - 16x - 17$

8. $f(x) = 5x^2 + 22x + 8$

Graph the following. State the domain and range.

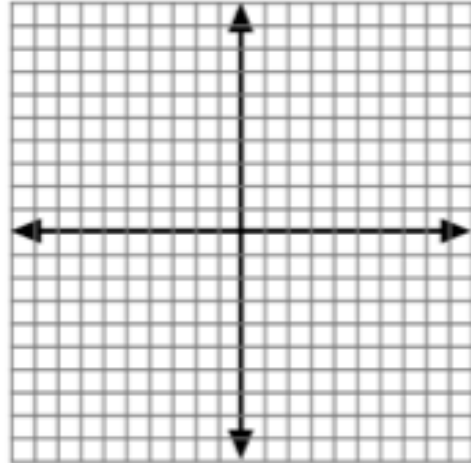
9. $y = x^2 - 8x + 6$



Domain:

Range:

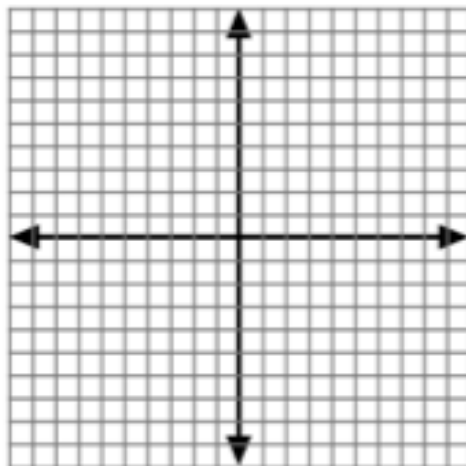
10. $g(x) = -x^2 + 5$



Domain:

Range:

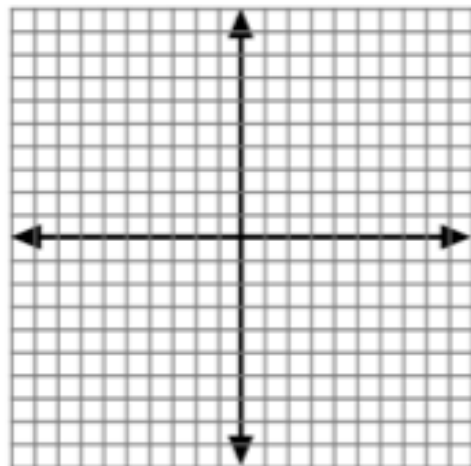
11. $y = 3x^2 - 12x + 4$



Domain:

Range:

12. $f(x) = -2x^2 + 8x + 1$



Domain:

Range: