

1.3 Factoring Trinomials

Factor each completely.

1) $x^2 + 16x + 60$

2) $v^2 - 10v + 24$

3) $n^2 - n - 42$

4) $m^2 + 3m - 10$

5) $n^2 - 4n - 32$

6) $x^2 + 6x - 7$

7) $5b^2 - 42b - 27$

8) $3n^2 + 29n - 10$

9) $3v^2 - 26v + 48$

10) $2x^2 - 13x + 21$

11) $48n^3 - 84n^2 - 90n$

12) $18x^2 - 15x - 150$

13) $20x^3 + 34x^2 + 14x$

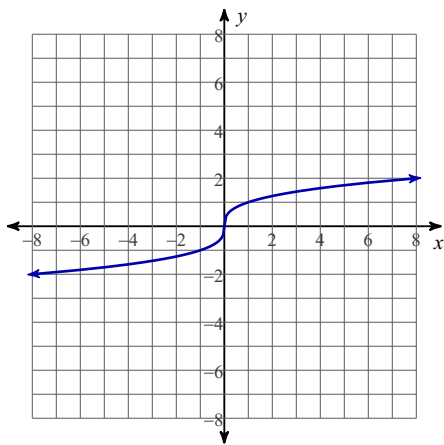
14) $40b^2 - 52b - 12$

15) $50a^2 - 155a + 75$

16) $18n^2 - 152n - 90$

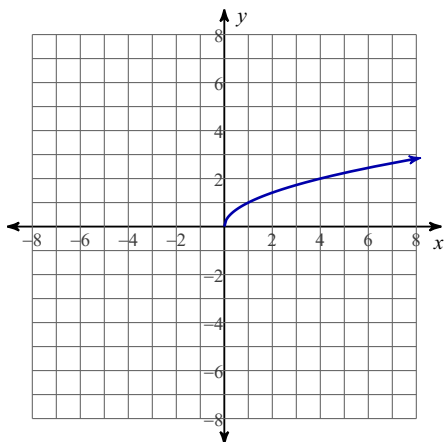
Determine which parent function is shown.

17)



18) $f(x) = \begin{cases} x + 1, & x < 0 \\ x^2, & x \geq 0 \end{cases}$

19)



20) $f(x) = \lfloor x \rfloor$