

## 1.2 Greatest Common Factor

**Factor each completely.**

1)  $p^2 - 3p$

2)  $v^2 + 10v$

3)  $v^2 - v$

4)  $a^2 + a$

5)  $k^2 - 4k$

6)  $5v^3 + 15v^2$

7)  $9r^2 + 6r$

8)  $3n^2 - 27n$

9)  $28a^3 + 16a^2$

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

11)  $3x^2 - 18x^3$

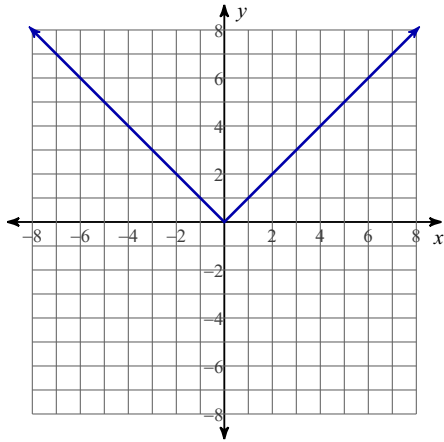
12)  $5x^4 + 5x^2$

13)  $6x^4 + 6x^2$

14)  $4x^3 + 3x^2 + 3x$

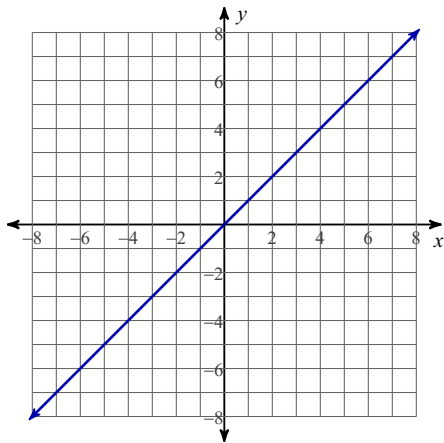
Determine which parent function is shown.

15)



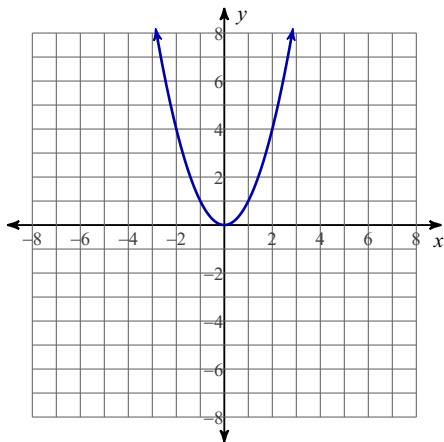
16)  $f(x) = x^2$

17)



18)  $f(x) = |x|$

19)



20)  $f(x) = x$