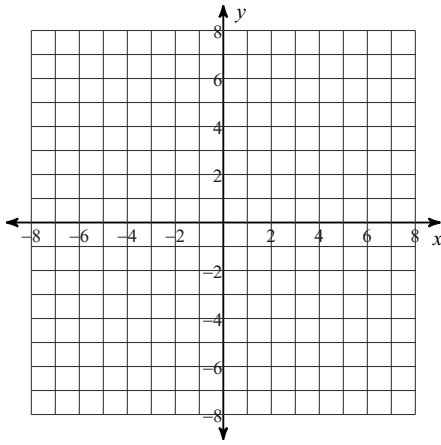


Graphing Standard Form

1) $y = -5x^3 - 35x^2 - 30x$

Zeros:

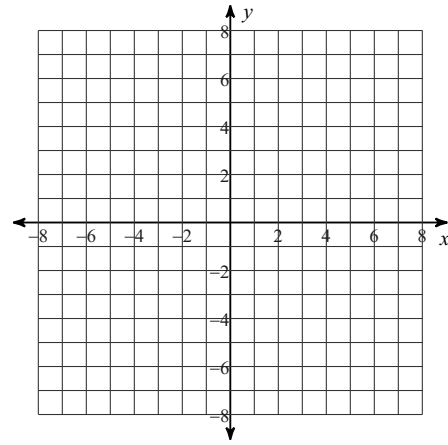
E.B.:



2) $y = 2x^4 + 16x^3 + 32x^2$

Zeros:

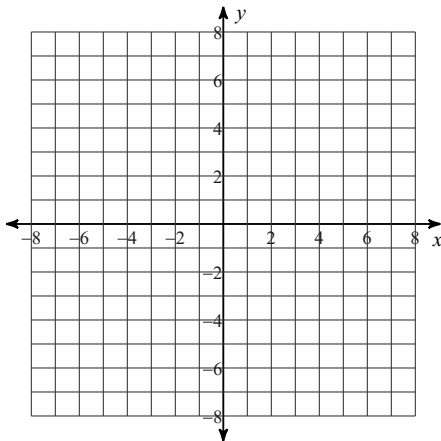
E.B.:



3) $y = -14x^3 - 16x^2 + 24x$

Zeros:

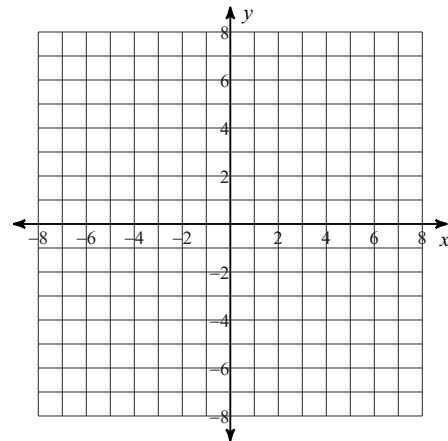
E.B.:



4) $y = 2x^3 - 9x^2 + 4x$

Zeros:

E.B.:



Answers to Graphing Standard Form

1) $-5x(x+6)(x+1)$

Zeros: $x = 0, x = -6, x = -1$

E.B.: -O; up, down

2) $2x^2(n+4)^2$

Zeros: $x = 0, x = -4$ (mult. 2),

E.B.: +E; up, up

3) $-2x(7x-6)(x+2)$

Zeros: $x = 0, x = \frac{6}{7}, x = -2$

E.B.: -O; up, down

4) $x(2x-1)(x-4)$

Zeros: $x = \frac{1}{2}, x = 4$

E.B.: +O; down, up