

- 15) Evaluate when $x = -3$
 $x^4 = (-3)^4 = (-3)(-3)(-3)(-3)$
 $9 \cdot 9 = 81$
- 16) Simplify.
 $-6 \cdot 2 \cdot -5 = 60$
- 17) Simplify.
 $\frac{-18}{-3} \cdot \frac{\text{neg}}{\text{neg}} = \text{pos.} \frac{-18}{-3} = 6$
- 18) Simplify.
 $\frac{20}{-2} \cdot \frac{\text{pos}}{\text{neg}} = \text{neg} \frac{20}{-2} = -10$
- 19) Simplify.
 $\frac{-8 + 4 \cdot -3}{2 - 4 - 1} = \frac{-8 + 4 \cdot -3}{2 - 4 - 1} = \frac{-8 + -12}{2 - 4 - 1} = \frac{-20}{-3} = \frac{20}{3}$
 PEMDAS order of ops double neg
- 20) Simplify.
 $-\left(\frac{54}{-9}\right) \cdot 2 \text{ neg's} = \text{pos} \frac{54}{9} = 6$

Honors / Extra Credit

$$\frac{-2[3 - (7) - 2^2 \cdot 5]}{-5 - 1} + \frac{(-2)^2 - 3 \cdot 4 - 7}{-1 - 4}$$

$$\frac{-2[3 - 7 - 4 \cdot 5]}{-5 - 1} + \frac{4 - 3 \cdot 4 - 7}{-1 - 4}$$

$$\frac{-2[3 - 7 - 20]}{-5 - 1} + \frac{4 - 12 - 7}{-1 - 4}$$

$$\frac{-2[-24]}{-5 - 1} + \frac{-15}{-5}$$

$$\frac{48}{-5} + 3 = -9.6 + 3 = -6.6$$