

[1] $(x+4)(x+7)$ _____

[2] $(j+2)(j-6)$ _____

[3] $\frac{2f-e}{5+ef}$ _____

[4] $\frac{x^4 y^4 z^4 - x^2}{-3yz^3 - x^3 z^3}$ _____

[5] $(3, 4)$ _____

[6] $(-3, 2)$ _____

[7] $(-5, 0)$ _____

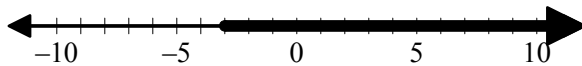
[8] $-28\sqrt{2} - 16\sqrt{3}$ _____

[9] $-182\sqrt{2}$ _____

[10] 88% _____

[11] 264 ft^3 and 312 ft^2 _____

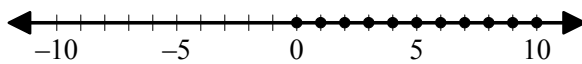
[12] $-4 < x \leq 3; D = \{\text{Real numbers}\}$ _____



[13] _____

[14] (a) rational (b) irrational (c) irrational (d) rational _____

[15] $2 \leq x \leq 4; D = \{\text{Positive Integers}\}$ _____



[16] _____

[17] 11, 19 _____

[18] 1122 m^3 _____

[19] 160 members _____

[20] 3600 _____

[21] 484 _____

[22] a) $\frac{1}{x^8 y^{-10} z^8}$ b) $\frac{1}{x^{-4} y^8 z^8}$ _____

[23] $27(12)^3 (2.54)^3 \left(\frac{1}{100}\right)^3 \text{ m}^3$ _____

[24] a) true b) false c) false d) false _____

[25] $\frac{1}{3}$ _____