

Math 70 Quiz #4 Answers

1. (a) $7 - (-13) = 7 + 13 = \boxed{20}$

(b) $-1.5 - 8 = \boxed{-9.5}$

(c) $100(-0.6) = \boxed{-60}$

(d) $-\frac{8}{9} \div (-6) = -\frac{8}{9}(-\frac{1}{6}) = \boxed{\frac{4}{27}}$

(e) $(-\frac{1}{2})^4 = (-\frac{1}{2})(-\frac{1}{2})(-\frac{1}{2})(-\frac{1}{2}) = \boxed{\frac{1}{16}}$

(f) $-2(5 - 1)^2 + 7(3) = -2(4)^2 + 7(3) = -2(16) + 7(3) = -32 + 21 = \boxed{-11}$

2. (a) $2x^2 - 20x + 4x = \boxed{2x^2 - 16x}$

(b) $7a + 3b - 1.6a + b = \boxed{5.4a + 4b}$

3. Difference in Elevation = $4421 - (-86) = 4421 + 86 = 4507$ meters

$\boxed{\text{The difference in elevation is 4507 meters.}}$