

Math 70 Quiz #5 Answers

1. (a) $5m^2 + 12m^2 = \boxed{17m^2}$

(b) $7x - 3y - x + y = \boxed{6x - 2y}$

(c) $3a(a - 5) - 4a = 3a^2 - 15a - 4a = \boxed{3a^2 - 19a}$ (Distribution and combining like terms)

2. $4(-2)^2 + (-2) - 9 = 4(4) - 2 - 9 = 16 - 2 - 9 = \boxed{5}$

3. Area = $\frac{1}{2}(15)(8) = 60$ square feet (or ft²)

Cost = $60(4.5) = \boxed{270}$ dollars