Quiz 1

Key

Show all your workalgebraically for each and simplify. No credit is given without supporting work. There are two sides to this quiz.

1. [4] Simplify the following:

$$5 + 4(2^3 - 3^2)$$

1

$$\frac{x^3}{x^3}$$

$$\frac{X^{4} X^{2.3}}{X^{3}} = \frac{X^{4} X^{6}}{X^{3}} = \frac{X^{10}}{X^{3}}$$

2. [3] Solve for
$$m$$
 in

$$\widehat{3(m+4)} + 2m = 4 - 3m$$

$$5m+12=4-3m$$
(1) +3m +3m

$$\frac{8m}{9} = \frac{-8}{3} \Rightarrow m = -1$$

3. [3] Express fraction in lowest terms
$$\frac{x^2 - x - 2}{x^2 + 2x + 1}$$
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