

Quiz #4

Directions: Please show all your work since partial credit is given. Answers without the necessary work will receive no credit. And remember, have fun!

1. Simplify the following expressions. Reducing all fractions to lowest terms.

a) $\frac{3+9(-1)}{5-7} = \underline{\hspace{2cm}}$

b) $\frac{7+3(17)^0}{17+3} = \underline{\hspace{2cm}}$

c) $\frac{9}{20} \cdot \frac{4}{3} = \underline{\hspace{2cm}}$

d) $-\frac{2}{5} \cdot 20 = \underline{\hspace{2cm}}$

e) $\frac{12a^2}{5b} \div \frac{6a}{5b^2} = \underline{\hspace{2cm}}$

f) $18 \div \left(\frac{3}{4}\right)^2 + 49\left(\frac{9}{7}\right)^2 = \underline{\hspace{2cm}}$