

PRACTICE quiz 8.1-8.2 Long Division of Polynomials**Divide.**

1) $(42m^3 - 3m^2 + 33m - 11) \div (6m - 3)$

2) $(4p^3 - 48p^2 + 48p + 66) \div (4p - 8)$

3) $(2p^3 - 9p^2 + 1) \div (2p - 9)$

4) $(3a^4 + 19a^3 - 53 + 75a + 57a^2) \div (10 + 3a)$

PRACTICE quiz 8.1-8.2 Long Division of Polynomials**Divide.**

1) $(42m^3 - 3m^2 + 33m - 11) \div (6m - 3)$

$$7m^2 + 3m + 7 + \frac{10}{6m - 3}$$

2) $(4p^3 - 48p^2 + 48p + 66) \div (4p - 8)$

$$p^2 - 10p - 8 + \frac{1}{2p - 4}$$

3) $(2p^3 - 9p^2 + 1) \div (2p - 9)$

$$p^2 + \frac{1}{2p - 9}$$

4) $(3a^4 + 19a^3 - 53 + 75a + 57a^2) \div (10 + 3a)$

$$a^3 + 3a^2 + 9a - 5 - \frac{3}{10 + 3a}$$