

HW #24

Simplify each expression.

1) $\frac{x-5y}{30x^3} - \frac{x+4y}{30x^3}$

2) $\frac{4p-3}{6p+10} - \frac{p+4}{6p+10}$

3) $\frac{5}{3m} + \frac{7}{2m^3}$

4) $\frac{3a}{2} + \frac{3}{2a-4}$

5) $\frac{5k}{k-2} - \frac{2k}{k+5}$

6) $\frac{2}{x+5} - \frac{2x}{x^2+11x+30}$

7) $\frac{10}{10b-90} \cdot \frac{b^2-8b-9}{8}$

8) $\frac{x^2+x-2}{-x^2+2x-1} \div \frac{8x+16}{6x-6}$

Answers to HW #24

$$1) -\frac{3y}{10x^3}$$

$$5) \frac{3k^2 + 29k}{(k-2)(k+5)}$$

$$2) \frac{3p-7}{6p+10}$$

$$6) \frac{12}{(x+6)(x+5)}$$

$$3) \frac{10m^2 + 21}{6m^3}$$

$$7) \frac{b+1}{8}$$

$$4) \frac{3a^2 - 6a + 3}{2(a-2)}$$

$$8) -\frac{3}{4}$$