

Divide

Worksheet # 3

|                                       |   |
|---------------------------------------|---|
| 1.) $(12x^3 + 2x^2 + 2x) \div 6x^2$   | $2 + \frac{1}{3x} + \frac{1}{3x^2} x - 6 + \frac{7}{x-3}$ |
| 2.) $(30x^3 + 2x^2 + 24x) \div 6x^2$  | $5 + \frac{1}{3x} + \frac{4}{x^2}$                        |
| 3.) $(4x^3 + 4x^2 + 8x) \div 4x^2$    | $x + 1 + \frac{2}{x}$                                     |
| 4.) $(2x^3 + 5x^2 + 2x) \div 8x^2$    | $\frac{x}{4} + \frac{5}{8} + \frac{1}{4x}$                |
| 5.) $(40x^3 + 4x^2 + 4x^2) \div 8x^2$ | $5x^2 + \frac{x}{2} + \frac{1}{2}$                        |
| 6.) $(24x^3 + x^2 + 12x) \div 6x^2$   | $4 + \frac{1}{6x} + \frac{2}{x^2}$                        |
| 7.) $(4x^3 + 18x^2 + x) \div 6x$      | $\frac{2x^2}{3} + 3x + \frac{1}{6}$                       |
| 8.) $(2x^3 + 2x^2 + 24x^2) \div 6x^2$ | $\frac{x^2}{3} + \frac{x}{3} + 4$                         |
| 9.) $(12x^3 + 4x^2 + 2x^2) \div 4x^2$ | $3x^2 + x + \frac{1}{2}$                                  |
| 10.) $(4x^3 + 16x^2 + 4x) \div 8x^2$  | $\frac{x}{2} + 2 + \frac{1}{2x}$                          |