

AFM Act. #41

Rational Expressions

$$\boxed{1} \frac{2xy^3 - 18xy}{2y^3 + 2y^2 - 24y}$$

$$\boxed{2} \frac{2x^3 + 2x^2 - 8x - 8}{5x^2 - 20}$$

$$\boxed{3} \frac{4x^4 + 108x}{8x^3 - 24x^2 + 72x}$$

$$\boxed{4} \frac{5x^2 - 101x + 20}{25x^2 - 1}$$

$$\boxed{5} \frac{9x^5 - 25x^3}{6x^4 + x^3 - 15x^2}$$

$$\boxed{6} \frac{x^4 - y^4}{5x^2 - 5y^2}$$

$$\boxed{7} \frac{10x^2 - 2x + 15x - 3}{8x^3 + 27}$$

$$\boxed{8} \frac{2x^3 - 18x}{4x^3 + 4x^2 - 36x - 36}$$

$$\boxed{9} \frac{9x^2 - 36}{45x^2 + 90x + 126}$$

$$\boxed{10} \frac{8x^3 + 125}{8x^2 - 20x + 50}$$

$$\boxed{11} \frac{6x^2 + 23x + 15}{2x^3 + 6x^2 + 7x + 21}$$

$$\boxed{12} \frac{3m^2 - 27n^2}{6m + 18n}$$

$$\boxed{13} \frac{2m^3 - 8m}{4m^3 + 32}$$

$$\boxed{14} \frac{12x^3 - 15x^2 - 24x + 30}{12x^2 + 33x - 60}$$

$$\boxed{15} \frac{5m^2 - 45}{50m^2 - 220m + 210}$$

$$\boxed{16} \frac{3x^4 + 3x^3y - 12x^2y - 12xy}{6x^2y - 24y}$$

$$\boxed{17} \frac{6x^2 + 54}{3x^3 + 3x^2 + 27x + 27}$$

$$\boxed{18} \frac{7x^3 + 35x^2 - 7xy^2 - 35y^2}{x^2 + 5x + xy + 5y}$$

$$\boxed{19} \frac{3m^2n - 12n}{m^3 + 5m^2 - 4m - 20}$$

$$\boxed{20} \frac{7x^2 - 7y^2}{3x^3 + 3x^2y - 9x - 9y}$$