

4.5.2 Solve the equation $3xy + 4 = 8y - 2x$ for x in terms of y .

4.18 Evaluate each of the following when $a = -8$ and $b = \frac{1}{2}$.

(a) $ab + 2b + 3a$

(c) $4(a^2b + b^2a)$

4.34 Simplify the fraction $\frac{\frac{3r^2t - 6rt^2}{6r^2t^3}}{\frac{8t^3r - 4t^2r^2}{6r^3t^4}}.$

4.39 If $x = \frac{a}{b}$ (with $a \neq b$ and $b \neq 0$), then express $\frac{a+b}{a-b}$ in terms of x . (Source: AMC 12) Hints: 163