

VKD Klassenarbeit vom 11.3.2015

Lösungen:

1. $-2x(xy - 3x) 4x = -8x^3y + 24x^3$

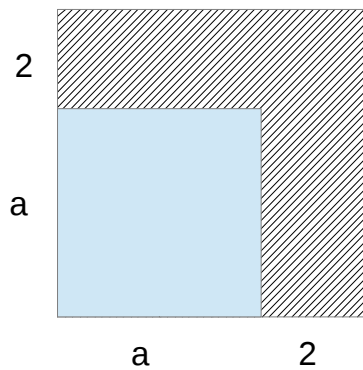
2. $\frac{1}{9}a - (\frac{2}{3}b - \frac{5}{6}a) = \frac{17}{18}a - \frac{2}{3}b$

3. $\frac{7x-7y}{9x-9y} = \frac{7(x-y)}{9(x-y)} = \frac{7}{9}$

4. $169x^2 - 26xy + y^2 = (13x - y)^2$

5. $8a^2 - 24ab + 18b^2 = 2(4a^2 - 12ab + 9b^2) = 2(2a - 3b)^2$

6.



Schraffierte Fläche = $(a + 2)^2 - a^2 = 4a + 4$

7. $(x + 2)^2 - (x - 4)^2 = 2(x - 4) + 9x$
L: $x = 4$

8. $A = 12500$
 $B = 10900$
 $C = 11300$