

S.M.ART School MAB2 HW due 06-24-2024

Factor. Use regular Distributive Property

F1 $a*x + a*y$

F2 $a*y^3 + a*y$

F3 $a*1 + a*y$

F4 $a + a*y^2$

F5 $a*y + a*y^2$

F6 $a*y*x + a*y^2$

F7 $a*y*x + a*y^2$

F8 $a * y^2 * x + a * y^2$

F9 $a^2 - a * b^2$

F10 $18 * a - 27 * a * b^2$

F11 $125 * a^2 + 45 * a$

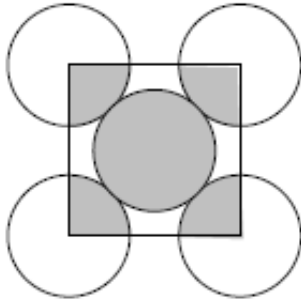
F12 $16 * a * x^2 + 24 * a^2 * x$

F14 $a * (x + y) + b * (x + y)$

F15 $a*(x - y) + b*(x - y)$

K1

Five circles have radii of the same length (see the picture). Four of them are touching the fifth circle, and their centers are the vertices of a square. The ratio of the area of the shaded region of the circles to the area of unshaded regions of the circles is:



G1 Joe has \$8.00. Joe, Mary and Bob have \$30 together. Joe, Mary and Dick have \$40 altogether. All four kids have \$52 total, then how much does Mary have?



W1 Justin and Janice had \$222 each. How much money did Justin to Janice if now Janice has 6 times what Justin has?