Radians $S = r\theta$ $A = \frac{r^2}{2}(\theta)$

✓ (45) $r = 4$, $\theta = 1$, $S =$ 4 , $A =$ 8

$A = \frac{16}{2}(1)$
$A = 8(1)$

✓ (47) $r = 4$, $\theta =$ 3 , $S = 12$, $A =$ 24

$A = \frac{16}{2}(3)$
$8(3)$

✓ (49) $r = 5$, $\theta =$ 1.2 , $S =$ 6 , $A = 15$

$15 = \frac{25}{2}(\theta)$
$15 = 12.5(\theta)$
$1.2 = \theta$

✓ (51) $r =$ 4 , $\theta = 2.5$, $S = 10$, $A =$ 20

$A = \frac{4^2}{2}(2.5)$
$A = 8(2.5)$
$A = 20$

(53) $r = 2$, $\theta =$ 1.5, $s =$ 3, $A = 3$

$3 = \frac{4}{2}(\theta)$

$3 = 2(\theta)$

$1.5 = \theta$

(55) $r =$ 2, $\theta = 4$, $s =$ 8, $A = 8$

$8 = \frac{r^2}{2}(4)$

$8 = 2r^2$

$4 = r^2$

$2 = r$