1) $3\pi \times \frac{180}{\pi} = 540°$

b) $\frac{3\pi}{2} \times \frac{180}{\pi} = 270°$

c) $\frac{4\pi}{3} \times \frac{180}{\pi} = 240°$

d) $3 \times \frac{180}{\pi} = \frac{540}{\pi}°$ or $172.89°$

e) $2.45 \times \frac{180}{\pi} = \frac{441}{\pi}°$ or $140.37°$

f) $5.2 \times \frac{180}{\pi} = \frac{936°}{\pi}$ or $297.94°$

2a) $1° \times \frac{\pi}{180} = \frac{\pi}{180}$

b) $120° \times \frac{\pi}{180} = \frac{2\pi}{3}$

c) $330° \times \frac{\pi}{180} = \frac{11\pi}{6}$

d) $90° \times \frac{\pi}{180} = \frac{\pi}{2}$

e) $225° \times \frac{\pi}{180} = \frac{5\pi}{4}$

f) $30° \times \frac{\pi}{180} = \frac{\pi}{6}$

3a)

$360° + 170°$

b)

$-720° - 100°$
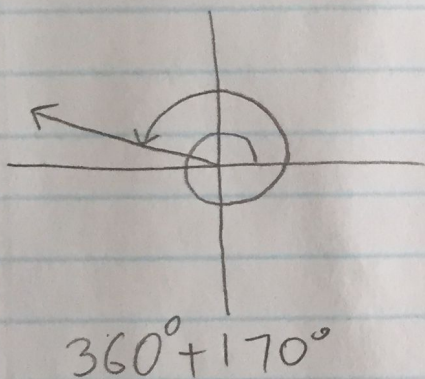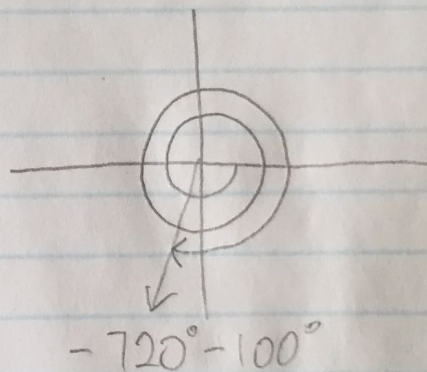
4) $1080°$
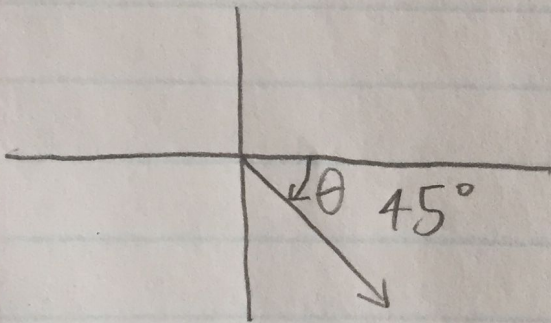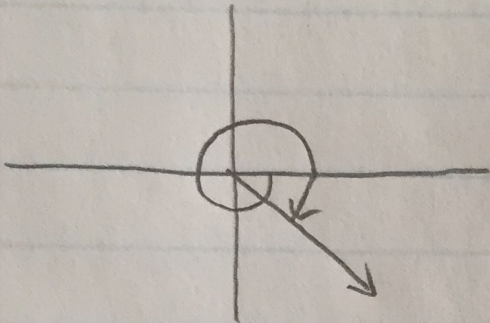

$\theta \quad 0°$
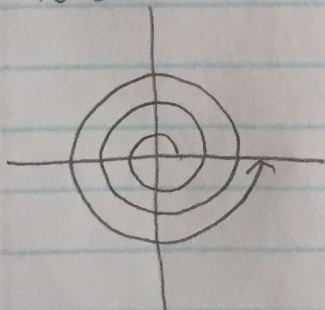
Positive: 360
Negative: -360
General Expression: $\pm 360n$
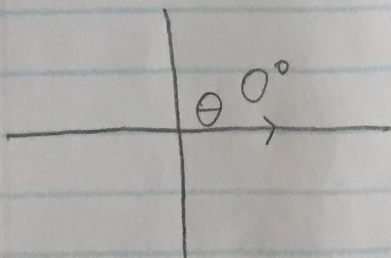
4) $-\dfrac{9\pi}{4} = -405°$

Positive : $\dfrac{7\pi}{4}$

Negative : $\dfrac{\pi}{4}$

General Expression : $45 \pm 360n$