

- 1) None of the above (10 faces; 24 edges; 16 vertices)
- 2) An obtuse triangle is a right triangle. (never true)
- 3) $p = 28$; $q = 30$
- 4) scale factor: 2
- 5) $1 \frac{2}{3}$ cups
- 6) $x < 2000$; $y > 2000$
- 7) $x = 74^\circ$ $y = 70^\circ$ $z = 103^\circ$
- 8) $150\pi \text{ cm}^2$
- 9) 14 cm^2
- 10) \$36
- 11) drawing
- 12) star: 5 lines of symmetry; degrees of rotational symmetry: 72° ; 144° ; 216° ; 288° ; 360°
arrow figure: 1 line of symmetry; no rotational symmetry
- 13) instructions are at the bottom of p 476
- 14) as discussed in class on Friday; 32° ; clockwise
- 15) 26; 6.5
- 16) perimeter: $25 + \frac{3}{2}\pi + 3\sqrt{2}$ cm area: $37.5 + \frac{9}{8}\pi \text{ cm}^2$
- 17) $25\pi(h-5) + \frac{250}{3}\pi \text{ m}^3$
- 18) 60 mph