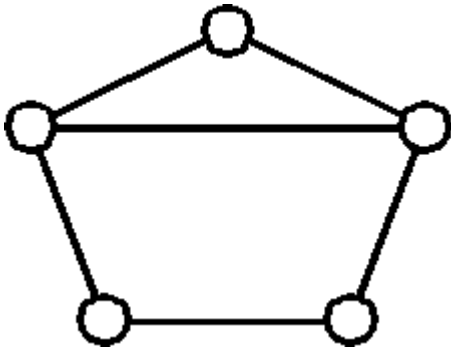


Answer Key

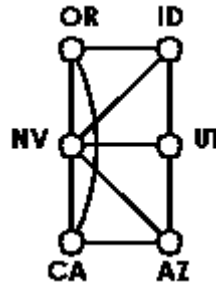
Testname: ARROWSMITH_MATH102_S08_TEST3_PRETEST

- 1) \overrightarrow{DE}
ID: SMA7A 9.1.3-6+
- 2) 155°
ID: SMA7A 9.1.5-2+
- 3) $m\angle BCD = 55^\circ, m\angle ABE = m\angle FCD = 125^\circ$
ID: SMA7A 9.1.8-4+
- 4) $\angle 1 = 20^\circ, \angle 2 = 70^\circ$
ID: SMA7A 9.1.7-4+
- 5) $\angle X = 32^\circ$
ID: SMA7A 9.2.4-1+
- 6) $x = 11.25; y = 15.75$
ID: SMA7A 9.2.6-4+
- 7) 1440°
ID: SMA7A 9.2.5-4
- 8) $\overline{CD} = 12$
ID: SMA7A 9.2.7-6+
- 9) 78 m
ID: SMA7A 9.3.2-5+
- 10) 289 cm^2
ID: SMA7A 9.3.3-8+
- 11) 13.4 mi
ID: SMA7A 9.3.5-4+
- 12) \$907.50
ID: SMA7A 9.3.8-1+
- 13) 7.68 yd^3
ID: SMA7A 9.4.1-6
- 14) 7430.00 ft^3
ID: SMA7A 9.4.2-6+
- 15) 22
ID: SMA7A 9.4.4-1+
- 16) Outside
ID: SMA7A 9.6.2-5
- 17) Genus 1
ID: SMA7A 9.6.3-8+
- 18) Answers will vary. One possibility is:



ID: SMA7A 14.1.1-3+

19)



ID: SMA7A 14.1.2-3