answers are approximate

1) sin(10°) = 0.20, cos(10°) = 0.99, tan(10°) = 0.20 2) sin(58°) = 0.85, cos(85°) = 0.53, tan(58°) = 1.6 3) sin(17°) = 0.30, cos(17°) = 0.95, tan(17°) = 0.31 4) 1/2 5) 1/sqrt(2)

6) 18ish

7) 57°

8) Sine is opposite over hypotenuse. Opposite is always smaller than hypotenuse, so the ratio is less than 1.

Cosine is adjacent over hypotenuse. Opposite is always smaller than hypotenuse, so the ratio is less than 1.

Tangent is opposite over adjacent. Either can be larger than the other, so tangent can be less than 1 or greater than 1.

9) Sine is opposite over hypotenuse. Tangent is opposite over adjacent. Same numerator, different denominators. Hypotenuse is greater than adjacent, so sine is smaller.

10) See picture. Both give the same ratio since the same 2 sides are used.

