

Related Practice**Math in Action Video: Urban Planning****Urban Planner – Alex Chen**

Directions: Complete the following activities to enhance your viewing of the Math in Action video and reinforce your understanding of math concepts.

Math in Action: Area of a Circle

Find the area of the land circle described in the video. The radius is $\frac{1}{4}$ mile.

$$A = \pi r^2$$

Math in Action: Density Function

If there are 3 schools in the land circle with a $\frac{1}{4}$ mile radius, what is the ratio of schools to land?