## 11-1 Areas of Parallelograms and Triangles

**Part One**

|  |  |  |
| --- | --- | --- |
| $$P=19 ft; A= 191ft^{2} $$ | $$P=42 yd ; A= 69.3 yd^{2} $$ | $$P=13.6m ; A= 11.6 m^{2} $$ |
| $$P=100 cm; A= 424.3 cm^{2} $$ | $$P=91 cm; A= 187.5cm^{2} $$ | $$P=58 in; A= 144.5 in^{2} $$ |
| $$P=55 km ; A=166.5 km^{2} $$ | $$P=96 in; A= 404.5 in^{2} $$ | $$P=19 ft; A= 191ft^{2} $$ |
| $$P=23.3 in; A= 120in^{2} $$ | $$P=64.8 mm; A=108mm^{2} $$ |  |

**Part Two**

|  |  |  |
| --- | --- | --- |
| $$A=50in^{2} ; P=34.1 in$$ | $$A=187.5 m^{2} ; P=91.1 cm$$ | $$A=47.6 m^{2} ; P=32 m$$ |
| $$A=120in^{2} ; P=36 in$$ | $$A=16 ft^{2} ; P=26.8 ft$$ | $$A=56.6 cm^{2} ; P=36 cm$$ |

# 11-2 Areas of Trapezoids, Rhombi, and Kites

|  |  |  |
| --- | --- | --- |
| $$32 mm^{2}$$ | $$123.75 ft^{2}$$ | $$32 m^{2}$$ |
| $$350 ft^{2}$$ | $$80 ft^{2}$$ | $$84 mm^{2}$$ |
| $$105m^{2}$$ |  |

## 11.3 Areas of Circles and Sectors

**Part One**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| $$22.1 ft$$ | $$157.08 ft$$ | $$26.62 ft^{2}$$ | $$54.42 in^{2}$$ | $$158.37 ft^{2}$$ |
| $$16.9 ft$$ | $$22.1 ft$$ | $$2.9 ft^{2}$$ | $$18.3 ft$$ | $$995.38 cm^{2}$$ |
| $$81.68 cm$$ | $$43.98 in$$ |  |  |  |

### 11.3 Areas of Circles and Sectors (continued)

**Part Two**

|  |  |  |
| --- | --- | --- |
| $$64 cm$$ | $$19.64 in $$ | $$30.79 cm$$ |
| $$8.11 cm$$ | $$7.85 in$$ | $$15.88 in.$$ |

## 11-5 Areas of Similar Figures

**Part One**

|  |  |  |  |
| --- | --- | --- | --- |
| $$256 in ^{2}$$ | $$7 m$$ | $$50 in^{2}$$ | $$4.5 in$$ |
| $$1.88 in^{2}$$ | $$27.8 in^{2}$$ | $$320 m^{2}$$ | $$243 in^{2}$$ |
| $$9.52 ft$$ | $$2 ft $$ |  |  |

**Part Two**

|  |  |  |
| --- | --- | --- |
| $$10.69 cm^{2}$$ | $$5.2 ft$$ | $$6.\overbar{6} m$$ |
| $$450 in^{2}$$ | $$2 ft^{2}$$ | $$1.34ft^{2}$$ |