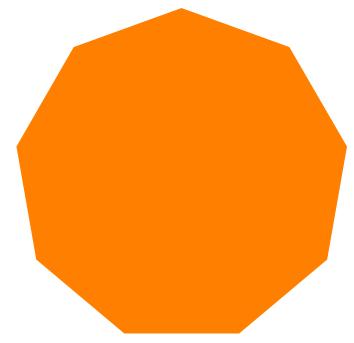
Tahm — PS 17 — 2025-04-11

Chapter 39

Chapter 40

```
In[44]:= f[x_] := x^2
    f[2]
Out[45]=

In[46]:= poly[X_] := Graphics[Style[RegularPolygon[X], Orange]]
    poly[9]
Out[47]=
```



```
In[48]:= f[X_, y_] := Reverse[{X, y}]
        f[cat, bat]
Out[49]=
        {bat, cat}
 In[50]:= f[X_, y_] := X * y / x + y
       f[2, 5]
Out[51]=
 In[52]:= f[X_, y_] := \{X + y, X - y, X / y\}
       f[2, 5]
Out[53]=
       \left\{7, -3, \frac{2}{5}\right\}
 ln[54]:= evenodd[x_] := If[x == 0, Red, If[EvenQ[x], Black, White]]
       evenodd[0]
       evenodd[5]
       evenodd[6]
Out[55]=
Out[56]=
       Out[57]=
ln[58] = f[x_, y_, z_] := If[x == 1, y + z, If[x == 2, y * z, x^y]]
       f[1, 5, 6]
       f[2, 5, 6]
       f[3, 5, 6]
Out[59]=
       11
Out[60]=
       30
Out[61]=
       243
 ln[62] = f[x_] := If[x == 1 | | x == 0, 1, f[x-1] + f[x-2]]
       f[10]
Out[63]=
       89
```

In[64]:= animal[x_] := Interpreter["Animal"][x]["Image"] animal["cat"]

Out[65]=



In[66]:= nearwords[x_, y_] := Nearest[WordList[], x, y]

In[67]:= nearwords["cat", 3]

Out[67]=

{cat, at, bat}