

Name: _____SOLUTIONS_____

Describe the precise sequence of output that is generated when the following code is executed.

```
class Being:
    def __init__(self, val):
        self._v = val

    def multiply(self, factor):
        self._v *= factor

    def speak(self):
        print '-----'
        print self._v

class Alien(Being):
    def __init__(self, val):
        Being.__init__(self, val)
        self._x = val * val

    def speak(self):
        Being.speak(self)
        print self._x

    def grow(self):
        self._x *= self._v

if __name__ == '__main__':
    a = Alien(4)
    a.speak( )
    a.multiply(5)
    a.speak( )
    a.grow( )
    a.speak( )
```

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